University of the West of England
BRISTOL

CORPORATE AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic data						
Module title	Stud Management and Reproductive Techniques					
Module code	UIEXRJ-30-2		Level	2	Version	1
Owning faculty	Hartpury		Field	Equine Science		
Contributes towards	BA (Hons) Equine Business Management BA (Hons) Equine Business Management (SW) BSc (Hons) Equine Science BSc (Hons) Equine Science (SW) FdSc Equine Science and Management					
UWE credit rating	30	ECTS credit rating	15	Module type	Standard	
Pre-requisites	None		Co-requisites	None		
Excluded combinations	None		Module entry requirements	None		
Valid from	01 September 2014		Valid to	01 September 2020		

CAP approval date	29 May 2014

Part 2: Learning and Teaching	
Learning outcomes	On successful completion of this module students will be able to: 1 Apply the principles of reproductive physiology to stud management (A, B). 2 Appraise the selection process of appropriate breeding stock in different contexts with reference to best practice and scientific research (A). 3 Review industry, ethical, and legislative constraints to the selection of breeding stock (A, B). 4 Evaluate general stud practice in the light of scientific evidence and best business practice (A, B). 5 Analyse the factors that affect the success of equine breeding programmes (A, B). 6 Outline and review management decisions that are required in the annual production cycle of a stud (A, B). 7 Formulate an opinion on a practical scenario and analyse optimum practice, based on current literature (A).
Syllabus outline	1 Selection of breeding stock based on traits, performance and fertility with some awareness of heritability of traits. 2 Management of breeding stock throughout the stud cycle (preparation for and processes of teasing, breeding, artificial insemination and embryo transfer procedures, pregnancy, parturition, orphan foals, weaning and problems that may be encountered in the stud environment). 3 Manipulation of the natural breeding cycle (advancing the breeding season, manipulation of individual cycles, synchronisation).

	4 Different approaches to modern biotechnologies such as artificial insemination and embryo transfer including cryopreservation. 5 Legislation governing equine breeding programmes in the UK and worldwide, including breed regulations.
Contact hours	Indicative delivery modes: Lectures, guided learning, seminars etc 66 Self-directed study 6 Independent learning 228 **TOTAL** **300**
Teaching and learning methods	***Scheduled learning*** May include lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop. ***Independent learning*** May include hours engaged with essential reading, case study preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make. ***Virtual learning environment (VLE)*** This specification is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE.
Key information sets information	Key information sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for. **<u>Key information set – module data</u>** Number of credits for this module: 30 Hours to be allocated: 300 | Scheduled learning and teaching study hours: 72 | Independent study hours: 228 | Placement study hours: 0 | Allocated Hours: 300 The table below indicates as a percentage the total assessment of the module which constitutes: 1 *Written exam:* Unseen written exam, open book written exam, in-class test. 2 *Coursework:* Written assignment or essay, report, dissertation, portfolio, project. 3 *Practical exam:* Oral assessment and/or presentation, practical skills assessment, practical exam. Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the assessment section of this module description: Total assessment of the module: Written exam assessment percentage 50% Coursework assessment percentage 0% Practical exam assessment percentage 50% 100%

Reading strategy	***Essential readings*** Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be required to purchase a set text, be given a print study pack or be referred to texts that are available electronically or in the Library. Module guides will also reflect the range of reading to be carried out. ***Further readings*** Further reading will be required to supplement the set text and other printed readings. Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library search, a variety of bibliographic and full text databases, and Internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature. ***Access and skills*** Formal opportunities for students to develop their library and information skills are provided within the induction period and student skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered.
Indicative reading list	The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide. • Artur, GH; Noakes, DE; Pearson, H and Parkinson, TJ (Current Edition) *Veterinary Reproduction and Obstetrics*. Philadelphia: Saunders • Boyle, M (Current Edition) *Code of Practice for the use of artificial insemination in horse breeding.* British Equine Veterinary Association. • Davies Morel, MCG (Current Edition) *Equine Reproductive Physiology, Breeding and Stud Management*. Wallingford: CAB International. • Davies Morel, MCG (Current Edition) *Equine Artificial Insemination.* Wallingford: CAB International. • Gordon, I (Current Edition) *Controlled Reproduction in Horses, Deer and Camelids.* Wallingford: CAB International. • Rossdale, PD (Current Edition) *Horse Breeding.* Newton Abbot: David & Charles. • Samper, JC (Current Edition) *Equine Breeding Management and artificial insemination.* Philadelphia: Saunders. Journals: • Equine Veterinary Education. • Equine Veterinary Journal. • Journal of Reproduction and Fertility. • Livestock Production Science. • Theriogenology. • Veterinary Clinics of North America.

Part 3: Assessment			
Assessment Strategy	The module is assessed using a group presentation to assess knowledge and understanding and team working skills, and the ability to articulate this verbally under time constraints. Students will be mark individually within their groups. The case study examination will allow students to show their scientific understanding of topics relating to the areas of stud management and reproductive techniques in an applied context, which suits the nature and learning outcomes for this module. The above describe summative assessment opportunities. Students will be given opportunities to reflect on knowledge at the end of sessions and formative assessment will also be provided through a review of the progress for both the assignment and the group presentation. In line with the College's commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the VLE.		
Identify final assessment component and element	Case study examination.		
% weighting between components A and B (Standard modules only)		**A:**	**B:**
		50%	50%
First Sit			
Component A (controlled conditions) **Description of each element**		**Element weighting**	
1	Case study examination (2 hours)	100%	
Component B **Description of each element**		**Element weighting**	
1	Group presentation (40 minutes)	100%	
Resit (further attendance at taught classes is not required)			
Component A (controlled conditions) **Description of each element**		**Element weighting**	
1	Case study examination (2 hours)	100%	
Component B **Description of each element**		**Element weighting**	
1	Group presentation (40 minutes)	100%	
If a student is permitted an **EXCEPTIONAL RETAKE** of the module the assessment will be that indicated by the Module Description at the time that retake commences.			